

FIG.4 PRIOR ART

	- 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6															
ET)Ti	SHC	١٨٥ .	1/3	NC	1/5	1/6	3T2	1/8	6/1	5Т3	V11	MC	T3E	0	SN
SONET	QL-STU	SHNO	GL-INV2	QL-INV3	QL-TNC	GU-INV5	9/NI-JO	QL-ST2	QL-INV8	QL-INV9	QL-ST3	QL-INV11	QL-SMC	OL-ST3E	QL-PROV	ar-dus
SDH	QL-INV0	QL-INV1	QL-PRC	QL-INV3	QL-SSU-A	QL-INV5	QL-INV6	QL-INV7	QL-SSU-B	QL-INV9	QL-INV10	QL-SEC	QL-INV12	QL-INV13	QL-INV14	QL-DNU
S1 BYTE	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
	-	2	3	4	5	9	7	8	6	10	=	12	13	14	15	16
								•								

Clock	
Ference	II SSN
, Refe	Leve
Primary	Primary
• •	•
L-PRC	r-SSU-A

Second Level SSU SDH Equipment Clock Not to be Used for Synchronization

L-SSU-B : L-SEC : L-DNU :

: Invalid

Primary Reference Clock Synchronized – Traceability Unknown L-PRS L-STU

Traceable to Stratum 2
Traceable to Transit Node Clock
Traceable to Stratum 3
Traceable to Stratum 3
Traceable to SONET Clock Self Timed
Provisionable by the Network Operator
Not to be Used for Synchronization L-ST2 L-ST3E L-ST3E L-ST3 L-SMC L-PROV L-DNS

Invalid

FIG.5A PRIOR ART

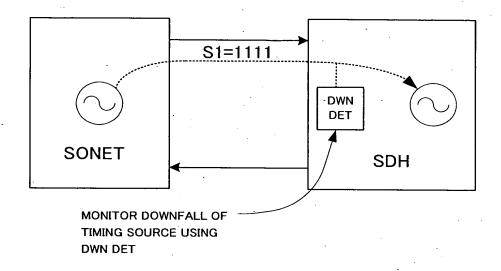
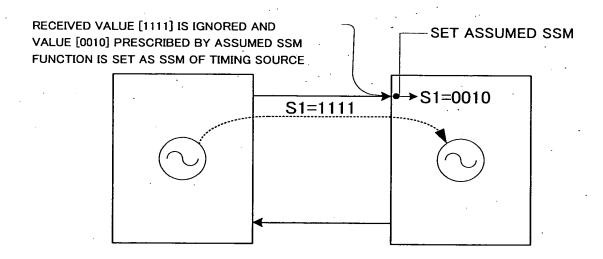


FIG.5B PRIOR ART



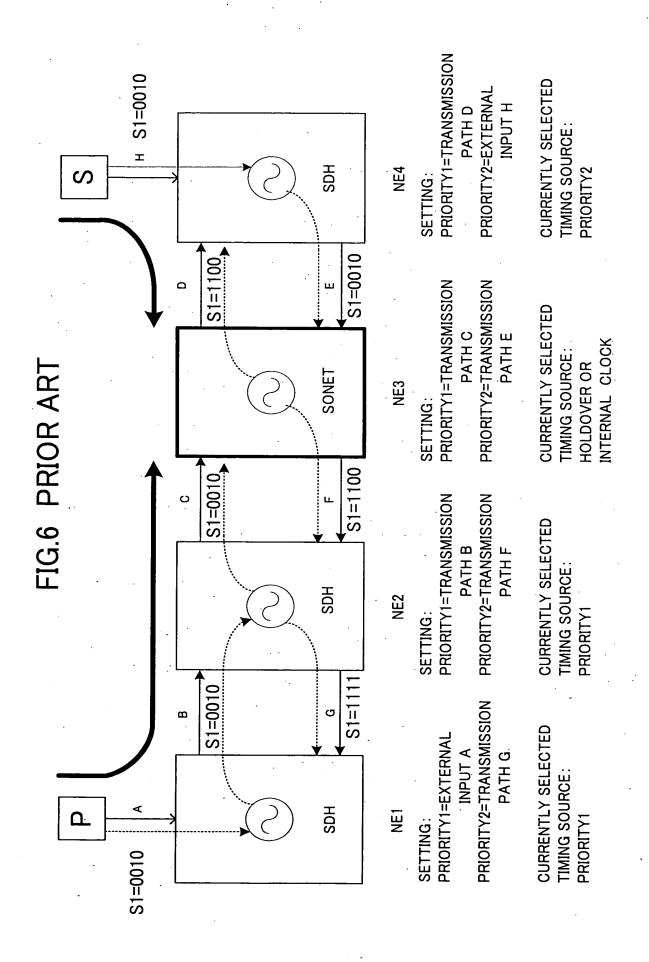


FIG.7

SDH										
QL-LEVEL	QL-VALUE	ORDER								
QL-PRC	1	HIGHEST								
QL-SSU-A	2	•								
QL-SSU-B	3	l T								
QL-SEC	4									
QL-DNU	5	▼.								
QL-INVx	6	LOWEST								

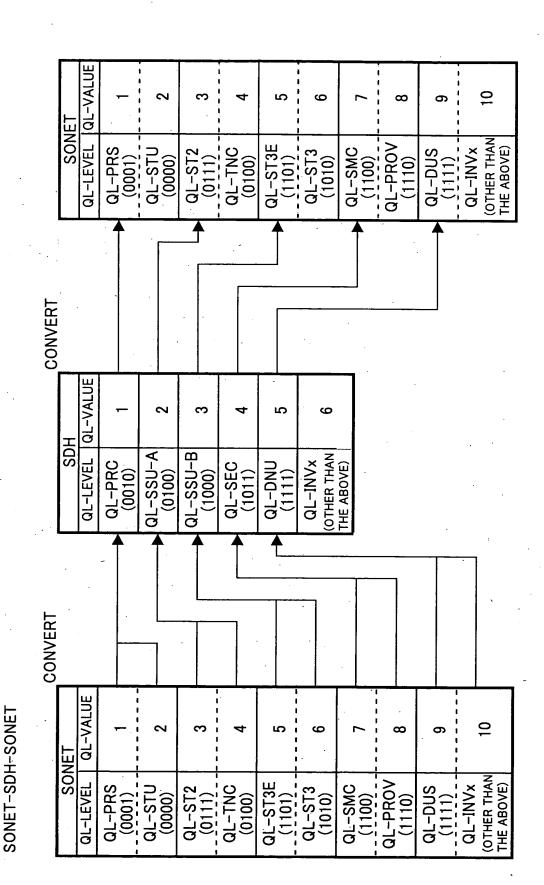
SONET										
QL-VALUE	ORDER									
1	HIGHEST									
2	A									
3	T ·									
4										
5										
6										
7										
DEFAULT										
9	▼									
10	LOWEST									
	QL-VALUE									

FIG.8

SDH/SONET CONVERT

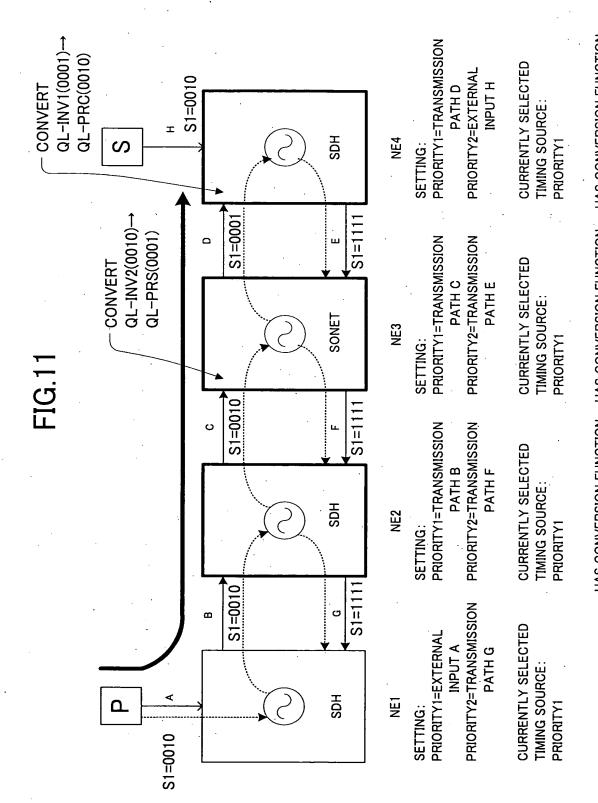
		•		
SD			SON	
QL-LEVEL	QL-VALUE		QL-LEVEL	QL-VALUE
QL-PRC (0010)	.1	S t ratum1	QL-PRS (0001)	1
QL-SSU-A (0100)	2		QL-STU (0000)	. 2
QL-SSU-B (1000)	3	Stratum2	QL-ST2 (0111)	3
QL-SEC (1011)	4	Stratum3	QL-TNC (0100)	4
QL-DNU (1111)	5	Stratamo	QL-ST3E (1101)	5
QL-INVx (OTHER THAN THE ABOVE)	6		QL-ST3 (1010)	6
THE ABOVE)		Stratum4	QL-SMC (1100)	7
		Do not use	QL-PROV (1110)	8
•		Do not use	QL-DUS (1111)	9
			QL-INVx (OTHER THAN THE ABOVE)	10

FIG.9

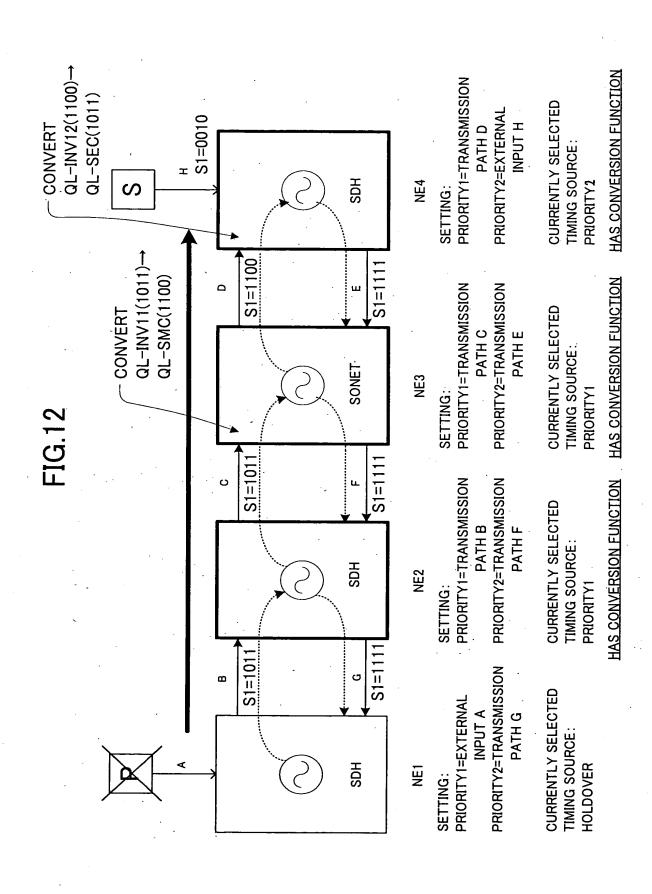


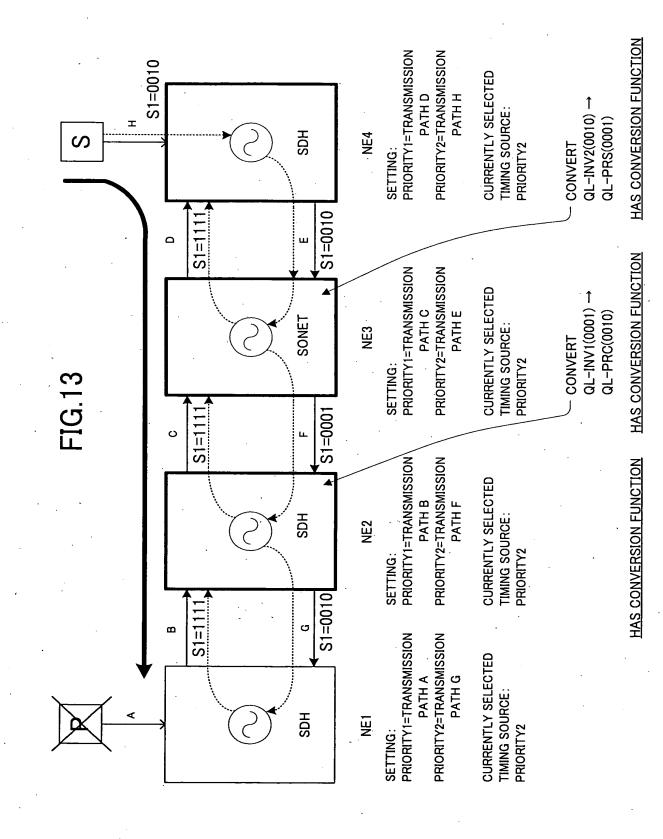
QL-LEVEL OL-VALUE ~ က വ 9 QL-SSU-A (0100) QL-SSU-B (1000) (OTHER THAN THE ABOVE) QL-SEC (1011) QL-DNU (1111) QL-INVx QL-PRC (0010)CONVERT QL-LEVEL | QL-VALUE 9 တ ~ Ŋ ဖ ∞ 4 SONET (OTHER THAN THE ABOVE) QL-SMC (1100)___ QL-PROV QL-ST3E (1101) QL-ST3 QL-ST2 (0111) QL-TNC (0100) QL-DUS (1111) OL-PRS (0001) QL-STU (0000) QL-INVx (1110)(1010)CONVERT QL-LEVEL | QL-VALUE ~ က 4 2 9 SDH QL-SSU-A (0100) (OTHER THAN THE ABOVE) QL-SSU-B QL-PRC (0010) QL-SEC (1011) QL-INVx QL-DNU (1000)(1111)

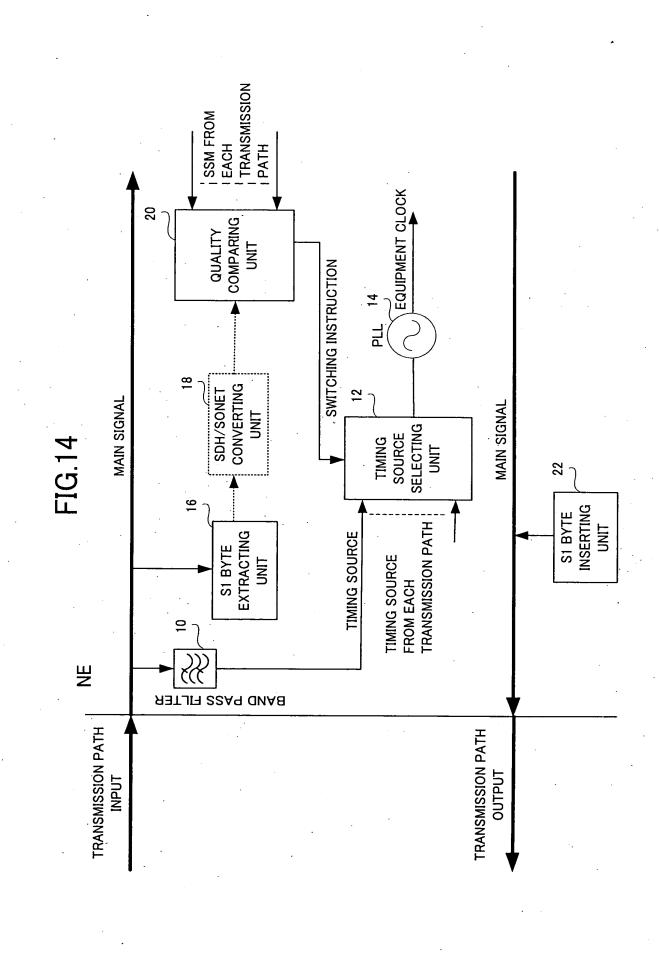
SDH-SONET-SDH

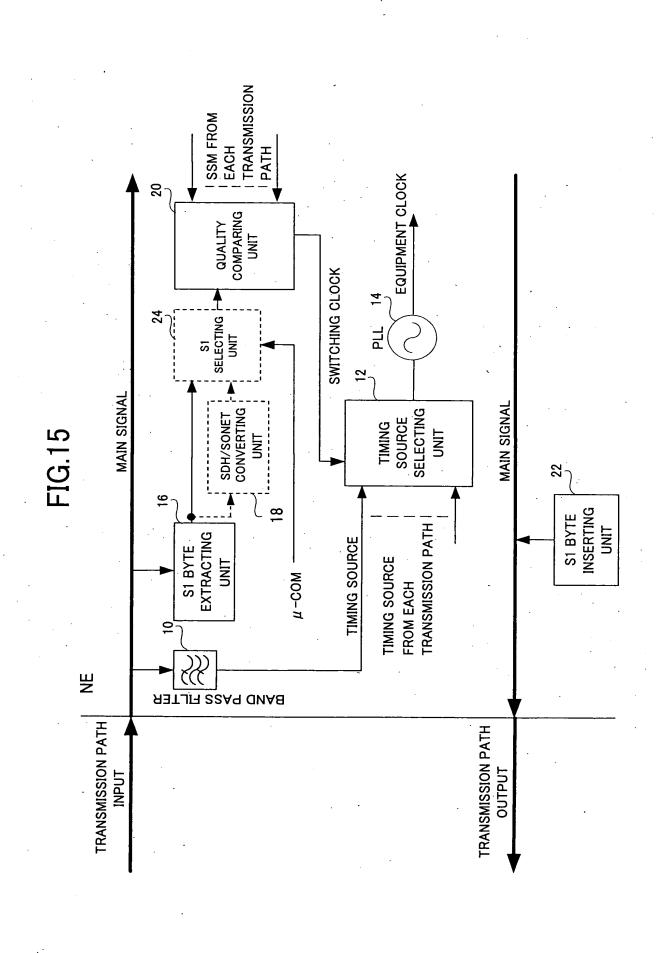


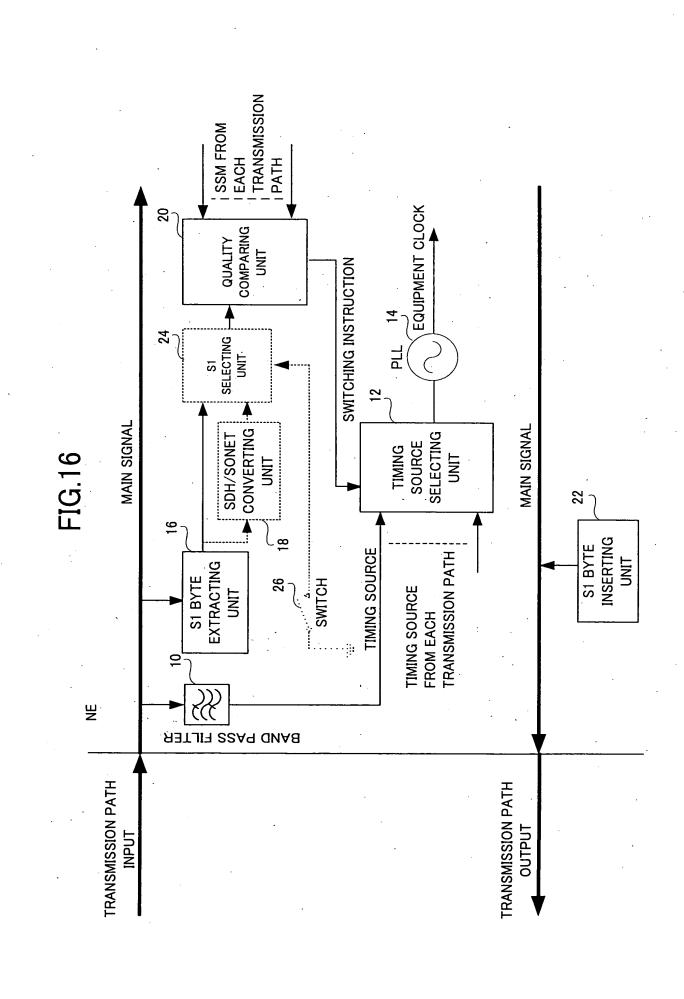
HAS CONVERSION FUNCTION HAS CONVERSION FUNCTION HAS CONVERSION FUNCTION











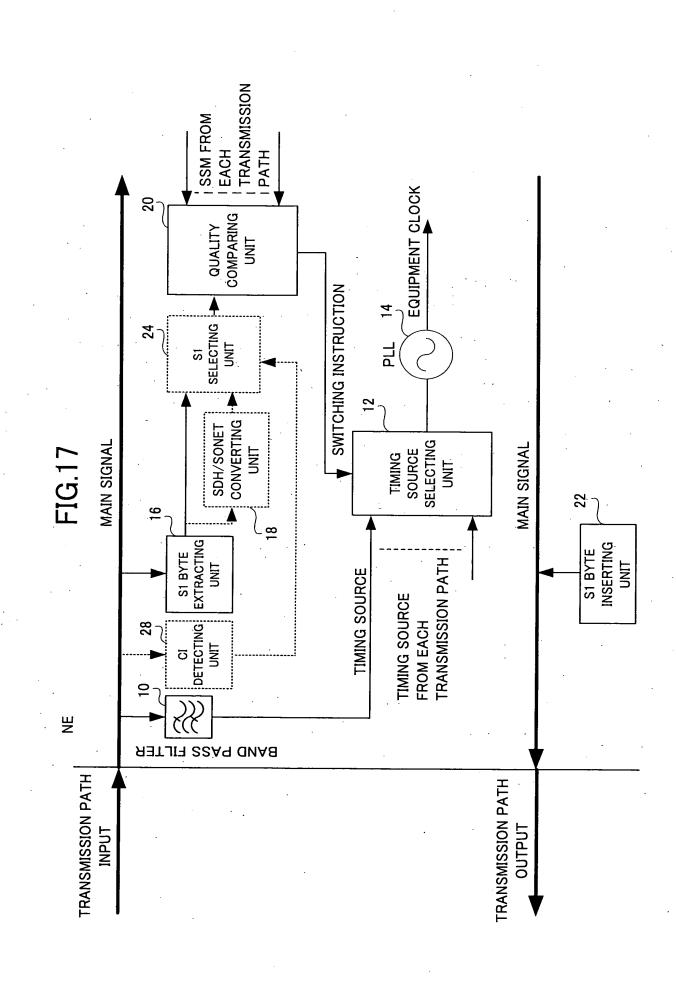


FIG.18

	SDH APPARATUS	SONET APPARATUS
SDH SIGNAL (WITH CI)	DO NOT CONVERT	CONVERT
SONET SIGNAL (WITHOUT CI)	CONVERT	DO NOT CONVERT

FIG.19A

DEFAULT

SDH → SONET

			-					•								
T0	0000	0001	1000	0011	0111	0101	0110	0111	1101	1001	1010	1100	1100	1101	1110	1111
_	1	1	1	1) ↑	1	1	1	1	†	⊤	1	1	· † ·	1	1
FROM	0000	0001	0010	0011	0100	0101	0110	0111	1,000	1001	1010	0011	1100	1101	1110	1111
																

FIG.19B
CLIENT SETTING
SDH → SONET
FROM TO

·	⇒SET QL-SSU-A TO BE CONVERTED TO QL-TNC							⇒SET QL-SSU-A TO BE	CONVERTED TO QL-TNC							
FROM 10	0000 ← 0000	0001 → 0001	0010 → 0001	0011 → 0011	0100 - 0100	0101 → 0101	0110 → 0110	0111 → 0111	. 1000 → 1010	1001 → 1001	1010 → 1010	0011 → 1100	1100 → 1100	1101 → 1101	1110 → 1110	1111 → 1111

